

## SOLID OXIDE AUXILIARY POWER UNIT REFORMATE CONTROL

## ABSTRACT OF THE DISCLOSURE

A method and system for controlling reformate delivered to an electrochemical cell in an electric power system. The system comprises: a reformate pressure sensor disposed in the reformate and configured to measure reformate pressure; a controllable valve configured to control the flow of reformate to the electrochemical cell; and a controller coupled to the reformate pressure sensor and the controllable valve. The controller receives a reformate pressure signal from the reformate pressure sensor, a controllable valve position signal from the controllable valve, and transmits a controllable valve command to the controllable valve.